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OM nucleic - nucleic search, using sw model

Run on: October 12, 2002, 13:02:35 : Search time 1833 seconds
(without alignments)
4452.455 Million cell updates/sec

Title: US-09-818-954A-2

Perfect score: 390

Sequence: 1 atgaagctgcctctctt.....ccacgagtgtagaccatc 390

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1797656 seqs, 10463268293 residues

Total number of hits satisfying chosen parameters: 3595312

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Listing first 45 summaries

GenBml:*

1: gb.ba:*

2: gb.htg:*

3: gb.in:*

4: gb.om:*

5: gb.ov:*

6: gb.pat:*

7: gb.ph:*

8: gb.pl:*

9: gb.pr:*

10: gb.ro:*

11: gb.sts:*

12: gb.sy:*

13: gb.un:*

14: gb.vi:*

15: gb.ba:*

16: em.fun:*

17: em.hum:*

18: em.in:*

19: em.mu:*

20: em.om:*

21: em.or:*

22: em.ov:*

23: em.pat:*

24: em.ph:*

25: em.pl:*

26: em.ro:*

27: em.sts:*

28: em.un:*

29: em.vi:*

30: em.htg.hum:*

31: em.htg.in:*

32: em.htg.other:*

33: em.htgo.in:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result Query
No. Score Match Length DB ID Description

1	390	100.0	390	6	AX259341	AX259341 Sequence
2	390	100.0	917	6	AX201855	AX201855 Sequence
3	378	96.9	693	6	AX193583	AX193583 Sequence
4	300.4	77.0	393	6	AX259351	AX259351 Sequence
5	252	64.6	1045	6	AX201857	AX201857 Sequence
6	204	52.3	122552	9	CNS01DRS	AL118555 Human chr
7	202	51.8	205	6	AX193608	AX193608 Sequence
8	192	49.2	169650	9	CNS00000	AI049871 Human chr
9	156	40.0	2985	6	AX259362	AX259362 Sequence
10	69	17.7	1060	5	AST251658	AX251658 Acipenser
11	66.4	17.0	687	5	SCA310345	AX310345 Scyliorhin
12	61.6	15.8	496	6	108476	108476 Sequence 16
13	61.6	15.8	504	4	CEUHR	Y00518 Dog mRNA fo
14	61.6	15.8	579	4	AY056475	AY056475 Monodelph
15	61	15.6	426	6	108475	108475 Sequence 14
16	60.8	15.6	580	5	AST251656	AJ251656 Acipenser
17	59.2	15.2	558	5	CIGONADB	X61051 C. idella mr
18	59.2	15.2	566	5	AF319960	AF319960 Mylophary
19	58.4	15.0	429	4	AF354938	AF354938 Panthera
20	58.4	15.0	448	5	PUNGRH11	M67015 Fundulus he
21	57.8	14.8	525	6	A06106	A06106 Synthetic p
22	57.8	14.8	629	4	BOVLRBX	M10077 Bovine lutr
23	57.4	14.7	2309	5	AB015596	AB015596 Carassius
24	56.8	14.6	535	5	D88024	D88024 Carassius a
25	56.8	14.6	5651	6	AX211282	AX211282 Sequence
26	56.8	14.6	5651	6	AX349366	AX349366 Sequence
27	56	14.4	426	6	E01778	E01778 DNA sequence
28	56	14.4	581	5	AF112192	AF112192 Ictalurus
29	56	14.4	661	5	ONHGTTH1B	M27154 Chin salmon
30	56	14.4	999	5	R1311355	AJ311355 Rana ridi
31	56	14.4	1864	4	BOVLRB	M11506 Bovine lute
32	55.6	14.3	585	4	AF090388	AF090388 Trichosur
33	55.6	14.3	601	4	AF017448	AF017448 Trichosur
34	55.6	14.3	789	5	AF112191	AF112191 Ictalurus
35	55.6	14.3	875	5	ONHTBS	D14692 Rainbow tro
36	54.8	14.1	595	5	AHA417769	AJ417769 Atlantic
37	54.6	14.0	527	5	CHGTH1B	X91984 C. harengus
38	54.6	14.0	533	4	OLHRS	X52488 Sheep mRNA
39	54.4	13.9	659	5	AB050836	AB050836 Oncorhyn
40	54.4	13.9	1054	9	AF397610	AF397610 Cynocepha
41	54.2	13.9	590	5	MOZGONAT1B	L35096 Morone saxa
42	54	13.8	810	5	CCO271632	AJ271632 Conger co
43	54	13.8	866	5	AF060566	AF060566 Salmo sal
44	54	13.8	866	5	AB016169	AB016169 Anguilla
45	53.6	13.7	426	4	AF448455	AF448455 Alluoropod

ALIGNMENTS

RESULT 1

AX259341

LOCUS

DEFINITION

AX259341

ACCESSION

VERSION

AX259341.1

GI:16508575

KEYWORDS

SOURCE

human.

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE

1 (sites)

AUTHORS

Paszty,C.J., Gao,J., Danilenko,D.M., Gong,J. and Hill,D.C.

TITLE

Beta-like glycoprotein hormone polypeptide and heterodimer

JOURNAL

Patent: WO 0173034-A 2 04-OCT-2001;

Amgen Inc. (US)

FEATURES

Source

1..390

location/Qualifiers

/organism="Homo sapiens"

/db_xref="taxon:9606"

BASE COUNT

69 a 128 c 106 g 87 t

ORIGIN

Query Match 100.0%; Score 390; DB 6; Length 390;
Best Local Similarity 100.0%; Pred. No. 5.5e-87;
Matches 390; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGAAGCTGGGCAATTCCTCTTCTGCCCCCATGGCCCTCCCTTCTGGCTGGCTATGGC 60
|||||
1 ATGAAGCTGGGCAATTCCTCTTCTGCCCCCATGGCCCTCCCTTCTGGCTGGCTATGGC 60
|||||

61 TGTGCTCTCGGTGCTCCAGTGGGAACCTGCGCACCTTTGTTGGGCTGTGCCGTGAGGAG 120
|||||
61 TGTGCTCTCGGTGCTCCAGTGGGAACCTGCGCACCTTTGTTGGGCTGTGCCGTGAGGAG 120
|||||

121 TTTACTTTCTTGGCAAGACCGAGGCTGCAAGGGCTTTGCGATCAACAGATGCTTGC 180
|||||
121 TTTACTTTCTTGGCAAGACCGAGGCTGCAAGGGCTTTGCGATCAACAGATGCTTGC 180
|||||

181 TGGGTCGCTGTGAGACCGGGAACCCATTTGGAACCCCTATTTGAAGCCCAT 240
|||||
181 TGGGTCGCTGTGAGACCGGGAACCCATTTGGAACCCCTATTTGAAGCCCAT 240
|||||

241 CATGAGTCTGTACTACAAAGAGCAACAAAGTGTGCTCAAGCTGCCCAACTGTGCC 300
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241 CATGAGTCTGTACTACAAAGAGCAACAAAGTGTGCTCAAGCTGCCCAACTGTGCC 300
|||||

301 CCGGAGTGCAGCCCTTGTACACCTATCCCTGGCCATCCGCTGTGACTGGGAGCTTGC 360
|||||
301 CCGGAGTGCAGCCCTTGTACACCTATCCCTGGCCATCCGCTGTGACTGGGAGCTTGC 360
|||||

361 TCCACTGCCACACGAGAGTGTGAGACCATC 390
|||||
361 TCCACTGCCACACGAGAGTGTGAGACCATC 390
|||||

RESULT 2
AX201855 917 bp DNA Linear PAT 30-AUG-2001
LOCUS AX201855
DEFINITION Sequence 1 from Patent W00153346.
ACCESSION AX201855
VERSION AX201855.1 GI:15391696
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 917)
AUTHORS Mosselman,S. and spek van Der,P.J.
TITLE Human cystine knot polypeptide
JOURNAL Patent: WO 0153346-A 1 26-JUL-2001;
Akzo Nobel N.V. (NL)
FEATURES
Source Location/Qualifiers
1. 917
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 222 a 249 c 205 g 241 t
ORIGIN

Query Match 100.0%; Score 390; DB 6; Length 917;
Best Local Similarity 100.0%; Pred. No. 5.1e-87;
Matches 390; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

|||||
Db 281 TGGGTCGCTGTGAGACCGTGGGAGAAACCATTTGGAACCCCTATTTGAAGCCCAT 340
|||||

241 CATGAGTCTGTACTACAAAGAGCAACAAAGTGTGCTCAAGCTGCCCAACTGTGCC 300
|||||
Db 341 CATGAGTCTGTACTACAAAGAGCAACAAAGTGTGCTCAAGCTGCCCAACTGTGCC 400
|||||

301 CCGGAGTGCAGCCCTTGTACACCTATCCCTGGCCATCCGCTGTGACTGGGAGCTTGC 360
|||||
Db 401 CCGGAGTGCAGCCCTTGTACACCTATCCCTGGCCATCCGCTGTGACTGGGAGCTTGC 460
|||||

361 TCCACTGCCACACGAGAGTGTGAGACCATC 390
|||||
Db 461 TCCACTGCCACACGAGAGTGTGAGACCATC 490
|||||

RESULT 3
AX193583 693 bp DNA Linear PAT 15-AUG-2001
LOCUS AX193583
DEFINITION Sequence 5 from Patent W00140291.
ACCESSION AX193583
VERSION AX193583.1 GI:15211515
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 693)
AUTHORS Burgess,C.E., Prayaga,S.K., Shinkels,R.A., Rastelli,L.,
Zerhusen,B.D. and Mezes,P.S.
TITLE Proteins and nucleic acids encoding the same
JOURNAL Patent: WO 0140291-A 5 07-JUN-2001;
Curagen Corporation (US)
FEATURES
Source Location/Qualifiers
1. 693
/organism="Homo sapiens"
/db_xref="taxon:9606"
BASE COUNT 138 a 197 c 196 g 162 t
ORIGIN

Query Match 96.9%; Score 378; DB 6; Length 693;
Best Local Similarity 100.0%; Pred. No. 5.1e-84;
Matches 378; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATGAAGCTGGGCAATTCCTCTTCTGCCCCCATGGCCCTCCCTTCTGGCTGGCTATGGC 60
|||||
1 ATGAAGCTGGGCAATTCCTCTTCTGCCCCCATGGCCCTCCCTTCTGGCTGGCTATGGC 60
|||||

61 TGTGCTCTCGGTGCTCCAGTGGGAACCTGCGCACCTTTGTTGGGCTGTGCCGTGAGGAG 120
|||||
61 TGTGCTCTCGGTGCTCCAGTGGGAACCTGCGCACCTTTGTTGGGCTGTGCCGTGAGGAG 120
|||||

121 TTTACTTTCTTGGCAAGACCGAGGCTGCAAGGGCTTTGCGATCAACAGATGCTTGC 180
|||||
121 TTTACTTTCTTGGCAAGACCGAGGCTGCAAGGGCTTTGCGATCAACAGATGCTTGC 180
|||||

181 TGGGTCGCTGTGAGACCGGGAACCCATTTGGAACCCCTATTTGAAGCCCAT 240
|||||
181 TGGGTCGCTGTGAGACCGGGAACCCATTTGGAACCCCTATTTGAAGCCCAT 240
|||||

241 CATGAGTCTGTACTACAAAGAGCAACAAAGTGTGCTCAAGCTGCCCAACTGTGCC 300
|||||
241 CATGAGTCTGTACTACAAAGAGCAACAAAGTGTGCTCAAGCTGCCCAACTGTGCC 300
|||||

301 CCGGAGTGCAGCCCTTGTACACCTATCCCTGGCCATCCGCTGTGACTGGGAGCTTGC 360
|||||
301 CCGGAGTGCAGCCCTTGTACACCTATCCCTGGCCATCCGCTGTGACTGGGAGCTTGC 360
|||||

361 TCCACTGCCACACGAGAGTGTGAGACCATC 378
|||||
Db 361 TCCACTGCCACACGAGAGTGTGAGACCATC 378
|||||

RESULT 4	AX259351	393 bp	DNA	linear	PAT 26-OCT-2001
LOCUS	AX259351				
DEFINITION	Sequence 12 from Patent WO0173034.				
ACCESSION	AX259351				
VERSION	AX259351.1	GI:16508583			
KEYWORDS					
SOURCE	house mouse.				
ORGANISM	Mus musculus.				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (sites)				
AUTHORS	Paszty,C.J., Cao,J., Danilenko,D.M., Gong,J. and Hill,D.C.				
TITLE	Beta-like glycoprotein hormone polypeptide and heterodimer				
JOURNAL	Patent: WO 0173034-A 12 04-OCT-2001; Amgen Inc. (US)				
FEATURES	Location/Qualifiers				
source	1..393				
BASE COUNT	/organism="Mus musculus"				
ORIGIN	/db_xref="taxon:10090"				
	78 a 111 c 109 g 95 t				
Query Match	77.0%; Score 300.4; DB 6; Length 393;				
Best Local Similarity	85.6%; Pred. No. 1.2e-64;				
Matches 334; Conservative	0; Mismatches 56; Indels 0; Gaps 0;				
QY	1 ATGAAGCTGGGCAATTCCTCTTGGGCCATGGCCCTCCCTTGGAGTATGAC 60				
DB	1 ATGAAGTTGGTAATACCTTGTCTGTGTGACATGGCCCTCTCTCTGGGTGAC 60				
QY	61 TGTGTCTCTGCTGCCCTCCAGTGGGAACCTGGCACCTTTGTGGCTGTGCCGTGAGGAG 120				
DB	61 TCTGTCTCTGAGAGCTCCAGTGGGAACCTGCACACTTTGTGTGGCTGTGCTGTGAGGAGA 120				
QY	121 TTTACTTCTCCGGCCAAAGACCCAGCTGGAGGGCCCTTCGGATACACAGATGCCCTGC 180				
DB	121 TTCACTTTCATGAGCCAAAGACCCAGCTGGAGGGGACTTGGATACACCAATATCCTTGC 180				
QY	181 TGGGGTCCCTGTGAGACCTGGGAGAAACCATTTGGAACCCCTATATTGAACCCAT 240				
DB	181 TGGGGCCCTCTCGAAGCTGGGAGAAACCCATCTCGAAGCCCTCTACTATTGAACCCAT 240				
QY	241 CATGAGTCTGTACTACACAGAGACCAACAGGTGACTGTCAAGCTGCCACTGTGCC 300				
DB	241 CATGAGTGTGTACTATACAAATGAGACAGAGAGTGAGACGTGAACCTGCTTAACGTGTGC 300				
QY	301 CCGGAGTCGACCCCTTTACACCTATCCCGGCGCATCCGCTGTGACTGGGAGGCTGC 360				
DB	301 CCGTGAATCGATCTTTTGTACACCTACCTATAGCTGTCCGATGTGACTGTGGGGCGTGT 360				
QY	361 TCCACTGCCACACGAGAGTGTGAGACCATC 390				
DB	361 TCCACTGCCACACCATGTGAGACCATC 390				
RESULT 5					
LOCUS	AX201857	1045 bp	DNA	linear	PAT 30-AUG-2001
DEFINITION	Sequence 3 from Patent WO0153346.				
ACCESSION	AX201857				
VERSION	AX201857.1	GI:15391697			
KEYWORDS					
SOURCE	human.				
ORGANISM	Homo sapiens				
REFERENCE	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo. 1 (bases 1 to 1045)				
AUTHORS	Mosselman,S. and spek van Der,P.J.				
TITLE	Human cystine knot polypeptide				
JOURNAL	Patent: WO 0153346-A 3 26-JUL-2001; AZO Nobel N.V. (NL)				
FEATURES	Location/Qualifiers				

BASE COUNT	254 a	279 c	234 g	278 t
ORIGIN				
Query Match	64.6%; Score 252; DB 6; Length 1045;			
Best Local Similarity	75.3%; Pred. No. 1.2e-52;			
Matches 390; Conservative	0;	Mismatches	0;	Indels 128; Gaps 1;
1	ATGAAGCTGGCATTCTCTTCTTCTTG6CCCATATGGCCCTCTCTCTTGTGGCTATGGC	60		
101	ATGAAGCTGGCATTCTCTTCTTCTTG6CCCATATGGCCCTCTCTCTTGTGGCTATGGC	160		
61	TGTGCTCGGTGGCTCCAGTGGGAACCTGGGCACTTTGGGGCTGGCCGTGGAG	120		
161	TGTGCTCGGTGGCTCCAGTGGGAACCTGGGCACTTTGGGGCTGGCCGTGGAG	220		
121	TTTACTTCTCTGGCCCAAGAACCCAGGCTGACAGGGGCTTGGGATCCACAGGATGCTGC	180		
221	TTTACTTCTCTGGCCCAAGAACCCAGGCTGACAGGGGCTTGGGATCCACAGGATGCTGC	280		
181	TGGGGTGGCTGGAGCTGGAG-----	204		
281	TGGGGTGGCTGGAGCTGGAGCTTTTGTCAAGATGCTGTATGAACAAGGATTTCA	340		
205	-----	204		
341	ATACACATTTTGTGGTTGACTGGGATGGACCTCCCCCTGGAGCTGTAGATGCTCAGCCT	400		
205	-----AAACCATTTCTGGACCCCTTATATG	232		
401	AATGAAGGCCATTTAGATACACTTGCACATACCATTTCTGGAAACCCCTATATATG	460		
233	AAGCCATCATCGAGTGTGTACTACACGAGAACCAAGAGTGTGCTCAAGCTGGCCA	292		
461	AAGCCATCATCGAGTGTGTACTACACGAGAACCAAGAGTGTGCTCAAGCTGGCCA	520		
293	ACTGTGCCCCGGAGTGCACCCCTTCTACACCTATCCGCTGGCCATCCGCTGTGACTCG	352		
521	ACTGTGCCCCGGAGTGCACCCCTTCTACACCTATCCGCTGGCCATCCGCTGTGACTCG	580		
353	GAGCTGTCTCCACATCGACACGACGAGTGTGAGACATC	390		
581	GAGCTGTCTCCACATCGACACGAGTGTGAGACATC	618		

RESULT 6

CNS01DRS

LOCUS

DEFINITION

Human chromosome 14 DNA sequence BAC C-2011m8 of library Caltech-D

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

human.

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

1 (bases 1 to 122552)

Hellis,R., Petit,J.L., Vico,V., Dasilva,C., Robert,C., Wincker,P.,

Brother,P., Catellico,L., Barbe,V., Pelletier,E., Attiguenave,F.,

Ley,M., Eckenberg,R., Bruls,T., deperadins,V., Crnaud,C.,

Gyapay,G., Saurin,W. and Weissbach,J.

Sequencing of the human chromosome 14

Unpublished

2 (bases 1 to 122552)

Genoscope.

Direct Submission

Submitted (26-APR-2001) Genoscope - Centre National de Sequenage :

BP 191 91006 Evry cedex - FRANCE (E-mail : sequef@genoscope.cns.fr

- Web : www.genoscope.cns.fr)

On Apr/2, 2001 this sequence version replaced gi:13160378.

COMMENT

FEATURES					
source	location/Qualifiers				
	1..1060	/organism="Acipenser baerii"			
	/db_xref="taxon:27689"				
	/tissue_type="pituitary"				
sig_peptide	31..90				
CDS	/gene="FSH" 31..417 /gene="FSH" /codon_start=1 /product="follicle-stimulating hormone" /protein_id="CAB93504.1" /db_xref="GI:8250132" /translation="MALVRFVLLCAAGCASHCALENTTIGEDGCNCYSVTN TSCGRCLTDADVKRSISLTQLVCFKETSYTVOLPNCPEHDPPYYPALSCSE CGCATDYDTDCGTLSPDPSOED" 31..417 /gene="FSH" 91..414 /gene="FSH" /product="follicle-stimulating hormone"				
BASE CODONT ORIGIN	293 a 223 c 235 g 309 t				
Query Match	Best local Similarity 17.7% Matches 99; Conservative 0; Mismatches 50; Indels 0; Gaps 0;	Score 69; Pred. No. 5e-07; DB 5;	Length 1060;		
Oy	241 CATCGAGTCGTACCTTAACAACGAGACCAACAGTGATGTCACGTGCCCAACTGTGCC	300			
Dd	229 CAGCGGTGGTGAACCTTTAAAGAGATCTCTACGTAAACAGTGCACGTGCCCAACTGTGCC	288			
Oy	301 CCGGAGTTCGACCCCTTTACACCTATCCGTGGCCATCCGCTGTGACTGCGGAGCCGTGC	360			
Dd	289 GAACACGTGGAGCCCTTTTACACCTACACCCTCCGGCGCTCAGCTGTGAGTGTGGCAGTGT	348			
Oy	361 TCCACTGCCACACGAGAGTGAGACCAAT	389			
Dd	349 GCCACGACTACACTGACTGTGTGCCACCT	377			
<hr/>					
RESULT 11					
LOCUS SCA310345	687 bp	mRNA	linear	VRT 01-JUL-2001	
DEFINITION Scyllorhinus canicula mRNA for luteinizing hormone beta subunit (lhb					
beta gene).					
ACCESSION AJ310345					
VERSION AJ310345.1 GI:14589318					
KEYWORDS LH beta gene; luteinizing hormone beta subunit.					
SOURCE smaller spotted catshark.					
ORGANISM Scyllorhinus canicula					
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Chondrichthyes;					
Elasmobranchii; Galeomorphi; Galeoidei; Carcharhinfiformes;					
Scyliorhinidae; Scyllorhinus.					
1 (bases 1 to 687)					
REFERENCE Querat,B.					
AUTHORS Duality of gonadotropins in gnathostomes					
JOURNAL unpublished					
REFERENCE 2 (bases 1 to 687)					
AUTHORS Querat,B.					
TITLE Direct Submission					
JOURNAL Submitted (05-APR-2001) Querat B., UMR 8572, Cnrs-mnhn, 7, rue					
Cuvier, 75005 Paris, FRANCE					
LOCATION/Qualifiers					
source 1..687					
/organism="Scyllorhinus canicula"					
/db_xref="taxon:7830"					
/tissue_type="pituitary"					
sig_peptide 46..102					
CDS /gene="lh beta"					
46..441					
/gene="lh beta"					
/codon_start=1					

			/product="Inte	Initializing hormone beta subunit"
			/protein_id="CA043236.1"	
			/db_xref="GI:14589319"	
			/translation="MCALROLDLLATCFYSVQGRHLCHPTNWTISAERKCPICVTLT	
			TSIGGYPTRKESVKKSPLSIVOHVKYSKEIKRIETIRLPGLPGTVSTVYIPVAVSC	
			ECNCIRMDYTCDTCVQSIXPDCIARRSL"	
			46..441	
	gene		/gene="1h beta"	
			103..438	
			/gene="1h beta"	
			/product="Inte	lizing hormone beta subunit"
BASE COUNT	163 a	218 c	142 g	164 t
ORIGIN				
	Query Match	17.0%;	Score 66.4;	DB 5; Length 687;
	Best Local Similarity	52.5%;	Pred. No.2.3e-06;	
	Matches 145;	Conservative 0;	Mismatches 131;	Indels 0; Gaps 0;
Oy	105 CTGTCCCGTGAGAGGAGTTACTCTTCTCCTGGGCCAAGAAGCCAGGCTGCAGSGGCGCTTCGGAT	164		
Dd	111 CTGCCACCCGACCAATTGTACAAATTTCTGCCGAAGAAGACGAGTGTCTATTGTGGCTGAC	170		
Oy	165 CACCACGGATGCGCTGGGGTGGCTGTGTGAGACCTGGGAGAACCCATTCTGGAACCCC	224		
Dd	171 CCTCACTACTCATATATGCGGTGGTTACTGTGTCCACAACAAGATGGTTATACAGAGCCC	230		
Oy	225 CTATATTGAAGCCATCATCGAGTCTGTACCTACACGAGACCAACAGGTGACTGTCAA	284		
Dd	231 TCTCTTGTACGTTTACACGACAGCTGTGTACTTACAAAGGAGATTGATATGAGACCATCAG	290		
Oy	285 GCTGCCCAACTGTGGCCGGGAGGTGGACCCCTTACACCTTATCCCGTGGCCATCGCGT	344		
Dd	291 GGTGCGAGGCTGCCACAGGGGTGTGACCTCACCTACCTACACCGGTGGCGGTACGCT	350		
Oy	345 TGACTGCGGAGCCTCTCCACTGTCACCTGCCACGACGAGAGTG	380		
Dd	351 TGAATGCAACCTCTGACAGATGTGACTACACGCAATTG	386		
RESULT 12				
	108476		496 bp	Linear PAT 02-DEC-1994
LOCUS	108476			
DEFINITION	Sequence 16 from Patent WO 8607383.			
ACCESSION	108476			
VERSION	108476.1			
KEYWORDS	GI:588819			
SOURCE	.			
ORGANISM	Unknown.			
REFERENCE	Unclassified.			
AUTHORS	1 (bases 1 to 496)			
TITLE	Talmadge, K.D. and Fiddes, J.C.			
JOURNAL	AUTOANTIGEN VACCINES			
FEATURES	Patent: WO 8607383-A 16 18-DEC-1986;			
	Location/Qualifiers			
source	1..496			
	/organism="unknown"			
BASE COUNT	66 a	191 c	134 g	105 t
ORIGIN				
	Query Match	15.8%;	Score 61.6;	DB 6; Length 496;
	Best Local Similarity	52.8%;	Pred. No.3.7e-05;	
	Matches 133;	Conservative 0;	Mismatches 119;	Indels 0; Gaps 0;
Oy	133 GCCAAGAAGCCAGGCTGAGGGCCCTTGGATCACCACGAGATGCGTGGGTCGCTGT	192		
Dd	106 GCTGAGAAGAGCGCTGCCCGGTCTGTATCAACCTTACACACACCATGTGTGCGGGTAC	165		
Oy	193 GAGACCTGGGAGAAACCATTTCTGGAACCCCCCTTATTGAAGCCCATTCAGACTGT	252		
Dd	166 TGCCCCAGCATGTGATGAGTGTCTGCCAGCGCGCTGCACCATGTGCCCCAGCCAGTGTGC	225		
Oy	253 ACCTTCAACGAGACCAACAGGTGACTGTCAAGCTGCCCACTGTGGCCCCGGGAGTGCAC	312		

Db 226 ACCTACCATGAGCTGACCTTGGCTTCATCCGGCTCCCGGATGCCCGCTGGCGTGAGC 285
QY 313 CCCTTCACACCTATCCGCGGACATCCGCTGTGACAGGAGAGCTGCTCAGTCCAGC 372
Db 286 CCATGTGCTCTTCCTCCGCGCTCAGCTGTGCTGTGGCCCTCCGCTCAGCAAC 345
QY 373 ACGAGGTGAG 384
Db 346 TCCGACTGTGG 357
RESULT 13
LOCUS CFLHR 504 bp mRNA linear MAM 21-JUN-1995
DEFINITION Dog mRNA for luteinizing hormone (LH) beta subunit.
ACCESSION Y00518.1 GI:907
VERSION Y00518.1
KEYWORDS glycoprotein; hormone; luteinizing hormone.
SOURCE dog.
ORGANISM Canis familiaris
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
REFERENCE 1 (bases 1 to 504)
AUTHORS Wolf/D., Appleby/V.L., Hjerrild/K., Baker/A.R. and Talmadge/K.
TITLE Nucleic acid and amino acid sequences of dog beta LH: comparison to
rat, cow and human beta LH
JOURNAL Nucleic Acids Res. 15 (24), 10602 (1987)
MEDLINE 88096605
FEATURES
source Location/Qualifiers
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/db_xref="taxon:9615"
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CDS
1..419
/codon_start=3
/product="LH precursor"
/protein_id="CAA68572.1"
/db_xref="GI:860906"
/db_xref="SWISS-PROT:P18842"
/translation="LOGLLIMLISYGVWASRPLRPLCRPINATLAENECPCVCI
TFTTTCAGYCPBMVRVLPALPPQVCTYELTFSWTRIRPGCPGVDPIPS
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54..416
mat_peptide /product="LH protein"
BASE COUNT 73 a 193 c 133 g 105 t
ORIGIN
Query Match 15.8%; Score 61.6; DB 4; Length 504;
Best Local Similarity 52.8%; Pred. No. 3.7e-05;
Matches 133; Conservative 0; Mismatches 119; Indels 0; Gaps 0;

AY056475
LOCUS AY056475 579 bp mRNA linear MAM 16-OCY-2001
DEFINITION Monodelphis domestica luteinizing hormone beta chain precursor.
ACCESSION AY056475
VERSION AY056475.1 GI:16186291
KEYWORDS South American short-tailed grey opossum.
SOURCE Monodelphis domestica
ORGANISM Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
REFERENCE 1 (bases 1 to 579)
AUTHORS Kacsoh,B.
TITLE Cloning of a cDNA encoding the luteinizing hormone beta chain
precursor in the marsupial, Monodelphis domestica
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 579)
AUTHORS Kacsoh,B.
TITLE Direct Submission
JOURNAL Submitted (21-SEP-2001) Division of Basic Medical Sciences, Mercer
University School of Medicine, 1550 College Street, Macon, GA
31207, USA
FEATURES
source Location/Qualifiers
1..579
/organism="Monodelphis domestica"
/db_xref="taxon:13616"
/tissue_type="pituitary gland"
14..439
/note="pituitary gonadotropin; LH-beta precursor,
pre-LH-beta"
/codon_start=1
/product="luteinizing hormone beta chain precursor"
CDS
1..439
/protein_id="A113337.1"
/db_xref="GI:16186292"
/translation="MERYQELTVLLLLLEGGSGAGSFRPLCRPINATLAESDAC
PVCVFTTTCAGYCPBMVRVLPALPPQVCTYELTFSWTRIRPGCPGVDPIPS
PVVALSCAGCSRLSHSDCGPPRARPLCTRPHLSRL"
BASE COUNT 106 a 216 c 143 g 114 t
ORIGIN
Query Match 15.8%; Score 61.6; DB 4; Length 579;
Best Local Similarity 52.8%; Pred. No. 3.7e-05;
Matches 133; Conservative 0; Mismatches 119; Indels 0; Gaps 0;
QY 133 GCCAAGAGCCAGCTGTGAGGGCCTTGGATCACACAGAGATGCTGGGTGCTGT 192
Db 128 GCGGAGAGCGACGCTGCCAGTGTGTGACTTTCACACCATCTGTGTGGCTAC 187
QY 193 GAGACCTGGGAGAAACCATCTGTGAAACCCCTTATTTGAAGCCATCATGAGTGT 252
Db 188 TGCCCGACATGTGTGGGGTACTGCGACCGCGTTCCTCTGGCCCTCAGCTGTG 247
QY 253 ACCTACAAGACCAACAGAGTGTCAAGCTGCCCAACTGTGCCCGGAGTGCAC 312
Db 248 ACATACAGGAGCTGACCTTCTCGAWCCGGCTGCTGATGACCCCTGAGTGGAC 307
QY 313 CCCTTCTACACTATCCCGTGGCCATCCGCTGTGACTGCGAGAGCTGCTCAGTCCAC 372
Db 308 CCATCTCTCTCTCCCGCTGGCCCTCAGCTGTGTGATCTCTGCGCGCTGAGCAC 367
QY 373 ACGAGGTGAG 384
Db 368 TCAGACTGCGG 379
RESULT 15
LOCUS 108475 426 bp linear PAT 02-DEC-1994
DEFINITION Sequence 14 from Patent WO 8607383.
ACCESSION 108475
VERSION 108475.1 GI:588818
KEYWORDS Unknown.

